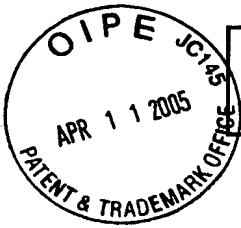


04-12-05

IFW

CASE PA-4-32473A



FILING BY "EXPRESS MAIL" UNDER 37 CFR 1.10

EV 483669281 US  
Express Mail Label Number

April 11, 2005  
Date of Deposit

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE PCT NATIONAL STAGE APPLICATION OF  
BEERLI ET AL.

INTERNATIONAL APPLICATION NO: PCT/EP03/04433

FILED: 28 APRIL 2003

U.S. APPLICATION NO: 10/509,316

35 USC §371 DATE: 27 SEPTEMBER 2004

FOR: CRYSTAL STRUCTURE OF THE LIGAND BINDING DOMAIN OF  
THE RETINOIC ACID-RELATED ORPHAN RECEPTOR ALPHA  
(ROR-ALPHA)

**MS: Amendment**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Applicants believe this paper is being filed before the mailing date of a first Office action on the merits, and so under 37 C.F.R. §1.97(b)(3) no fees are required. If a fee is deemed to be required, the Commissioner is hereby authorized to charge such fee to Deposit Account No. 19-0134.

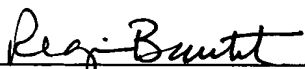
In accordance with 37 C.F.R. §1.56, applicants wish to call the Examiner's attention to the references cited on the attached form(s) PTO-1449.

The asterisked references were cited in the International Search Report and since copies of said references were forwarded by the International Bureau, only copies of the non-asterisked references are enclosed.

The Examiner is requested to consider the foregoing information in relation to this application and indicate that each reference was considered by returning a copy of the initialed PTO 1449 form(s).

Respectfully submitted,

Novartis  
Corporate Intellectual Property  
One Health Plaza, Building 104  
East Hanover, NJ 07936-1080  
(617) 871-3356  
RSB/rpg

  
\_\_\_\_\_  
Regina Bautista  
Attorney for Applicants  
Reg. No. 46,280

Enclosures: PTO-1449 and references

Date: April 11, 2005

## INFORMATION DISCLOSURE CITATION

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ATTY. DOCKET NO.

PA-4-32473A

APPLICATION NO.

10/509,316

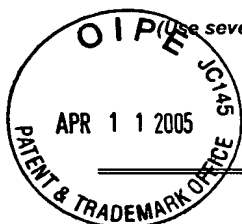
APPLICANT

BEERLI ET AL.

FILING DATE

SEPTEMBER 27, 2004

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AM	WO 03/000732 A2	1/3/03	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AN	WO 01/26737 A2	4/19/01	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AO	WO 99/50660	10/7/99	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AP	WO 95/27202	10/12/95	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AQ						<input type="checkbox"/>	<input type="checkbox"/>

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

	AR	Acta Cryst., "The CCP4 Suite: Programs for Protein Crystallography", D50, pp. 760-763, (1994).
	AS	Atkins, et al., "Coactivators for the Orphan Nuclear Receptor RORa", Molecular Endocrinology, Vol. 13, No. 9, pp. 1550-1557, (1999).
	AT	Becker-Andre, et al., "Identification of Nuclear Receptor mRNAs by RT-PCR Amplication of Conserved Zinc-Finger Motif Sequences", Biochemical and Biophysical Research Communications, Vol. 194, No. 3, pp. 1371-1379 (1993).

EXAMINER

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\*EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609: Draw a line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.

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DF	Cleverley, et al., "Characterization of Cholesterol-Free Insect Cells Infectible by Baculoviruses: Effects of Cholesterol on VSV Fusion and Infectivity and on Cytotoxicity Induced by Influenza M2 Protein", Experimental Cell Research, 233, pp. 288-296, Article No EX973573 (1997)
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DJ	Engh, et al., "Accurate Bond and Angle Parameters for X-Ray Protein Structure Refinement", Acta Cryst., A47, pp. 392-400, (1991).
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DN	Jones, et al., "Improved Methods for Building Protein Models in Electron Density Maps and the Location of Errors in these Models", Acta Cryst., A47, pp. 110-119, (1991).

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DD	Moraitis, et al., "Transition from Monomeric to Homodimeric DNA Binding by Nuclear Receptors: Identification of RevErbAa Determinants Required for RORa Homodimer Complex Formation", Molecular Endocrinology, pp. 431-439, (1999).
DE	Nolte, et al., "Ligand Binding and Co-Activator Assembly of the Peroxisome Proliferator-Activated Receptor-γ", Nature, Vol. 395, pp. 137-143, (1998).
DF	Nwokoro, et al., "Genetic Disorders of Cholesterol Biosynthesis in Mice and Humans", Molecular Genetics and Metabolism, 74, pp. 105-119, (2001)
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DH	Pittenger, et al., "Multilineage Potential of Adult Human Mesenchymal Stem Cells", Science, Vol. 284, April (1999)
DI	Renaud, et al., "Crystal Structure of the RAR-γ Ligand-Binding Domain Bound to All-Trans Retinoic Acid", Nature, Vol. 378, (1995)
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DK	Robyr, et al., "Nuclear Hormone Receptor Coregulators in Action: Diversity for Shared Tasks", Molecular Endocrinology, pp. 329-347, (2000)
DL	Simons, et al., "Cholesterol Depletion Inhibits the Generation of B-Amyloid in Hippocampal Neurons", Proc. Natl. Acad. Sci. USA, Vol. 95, pp. 6460-6464, (1998)
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DN	Stevens, "High-Throughput Protein Crystallization", Current Opinion in Structural Biology, 10, pp. 558-563 (2000)*

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DA	Stocco, "StAR Protein and the Regulation of Steroid Hormone Biosynthesis", Annu. Rev. Physiol., 63, pp. 193-213, (2001).
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DC	Sundvold, et al., "Identification of a Novel Peroxisome Proliferator-Activated Receptor (PPAR) $\gamma$ Promoter in Man and Transactivation by the Nuclear Receptor ROR $\alpha$ 1", Biochemical and Biophysical Res. Comm., 287, pp. 383-390 (2001)
DD	Vagin, et al., "MOLREP: An Automated Program for Molecular Replacement", J. Appl. Cryst., 30, pp. 1022-1025, (1997)
DE	Villasenor, et al., "Fast Drops: A High-Throughput Approach for Setting Up Protein Crystal Screens", BioTechniques, 32, pp. 184-189, (January, 2002)*
DF	Weeks, et al., "The Design and Implementation of SnB Version 2.0", J. Appl. Cryst., Computer Programs, 32, pp. 120-124, (1999)
DG	Wurtz, et al., "A Canonical Structure for the Ligand-Binding Domain of Nuclear Receptors", Nature Structural Biology, Vol. 3, No. 2, (February 1996) (1 page)
DH	Wronski, et al., "Long-Term Effects of Ovariectomy and Aging on the Rat Skeleton", Calcified Tissue International, 45, pp. 360-366, (1989)
DI	PCT International Search Report based on PCT/EP03/04433; International Filing Date: April 28, 2003 along with cover pages (9 pages)
DJ	McBroom et al., 1995, Mol. Cell. Biol. 15:796-808.
DK	
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